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In the Claims

Add new claims 73-88 as follows.

73. A composition comprising multiple peptides according to claim 1.

74. The composition according to claim 73, comprising at least two peptides, wherein the second peptide is attached to any amino acid of the first peptide.

75. The composition according to claim 74, wherein additional peptides are attached to any amino acid of the other peptides in the composition.

76. The composition according to claim 73, comprising at least two peptides wherein the second or additional peptides is attached to a branched construct of the other peptides in the composition.

77. An isolated nucleic acid molecule comprising a nucleotide sequence encoding a peptide of claim 1 in operative association with a regulatory sequence directing the expression thereof in a host cell.

78. A host cell transfected or transformed with the molecule of claim 77.

79. A method of treating a mammalian infection comprising administering to a mammal having said infection an effective amount of a peptide of claim 1.

80. A method of treating a mammalian infection comprising administering to a mammal having said infection a low dose of a pharmaceutical composition comprising deglycosylated pyrrhocoricin.

81. The method for identifying pharmaceutical compounds comprising:

performing a competitive assay with a microorganism susceptible to a peptide of claim 1 and at least one test compound; and identifying said test compound which competitively displaces the binding of said peptide to a receptor on said microorganism.

82. A pharmaceutical composition comprising one or more of the peptides of claim 1 in a pharmaceutically acceptable carrier.

83. A pharmaceutical composition comprising one or more of the compositions of claim 73 in a pharmaceutically acceptable carrier.

84. A composition according to claim 73, wherein R^2 of one said peptide is an alkanoic acid group and wherein an additional said peptide is linked to the same R^2 at the carboxyl terminus.

85. A composition comprising multiple peptides of the formula R^1 -Asp-Lys-Gly-X-Y-Leu-Pro-Arg-Pro-Thr-Pro-Pro-Arg-Pro-Ile-Tyr-X'-Y'- R^2 SEQ ID NO:1,

wherein R^1 is a moiety having a net positive charge;

wherein R^2 is selected from the group consisting of:

- (a) a free hydroxyl, an amide, an imide, a sugar;
- (b) a sequence of one or up to about 5 additional

naturally occurring or unnatural amino acids, optionally substituted with a free hydroxyl, an amide, an imide or a sugar;

(c) a sequence of (b) wherein said additional amino acids cyclize the peptide by bridging between the N- and C-termini thereof; and

(d) a sequence of (b), wherein said additional amino acids link at least two said peptides;

wherein X and Y form a dipeptide selected from the group consisting of Ser-Tyr and a dipeptide formed of naturally occurring amino acids or unnatural amino acids, said dipeptide resistant to cleavage,

wherein X' and Y' form a dipeptide selected from the group consisting of Asn-Arg, and a dipeptide formed of naturally occurring amino acids or unnatural amino acids, said dipeptide resistant to cleavage.

86. The composition according to claim 85, which is a multiple antigenic peptide.

87. The peptide according to claim 1, which is fused to a second protein.

88. A composition according to claim 85, wherein R^2 of one said peptide is an alkanoic acid group and wherein an additional said peptide is linked to the same R^2 at the carboxyl terminus.